



Mod-0036.ST25.txt  
SEQUENCE LISTING

<110> Jarrell, et al.

<120> Alien to Mouse cDNA

<130> 2003320-0036

<140> 10/763,039

<141> 2004-01-22

<160> 153

<170> PatentIn version 3.2

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 gaaacaacat gtgccccct gtcttggagc tacctgcctg ctctgtatga tgcaccgcgc 720  
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ggaatggaat acggcaaggg gtggaacacc catgtccagt gtcgtaagtg caatgattgt	180
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<210> 33

<211> 210

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<213> Artificial

<220>

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<400> 33

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gccagttacc ggtga 135

&lt;210&gt; 36

&lt;211&gt; 231

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Alien to Mouse cDNA

&lt;400&gt; 36

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gcaagcgaaa tgagagcttt tctcaagcag caattcgata gttggaggta g 231

&lt;210&gt; 37

&lt;211&gt; 180

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Alien to Mouse cDNA

&lt;400&gt; 37

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&lt;210&gt; 38

&lt;211&gt; 123

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Alien to Mouse cDNA

&lt;400&gt; 38

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tag 123

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&lt;223&gt; Alien to Mouse cDNA

&lt;400&gt; 42

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&lt;210&gt; 43

&lt;211&gt; 210

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Alien to Mouse cDNA

&lt;400&gt; 43

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gaggacctcg catgcagccc cccctttcag aatgcccagc tttggtgcaa ttcgagaaac	180
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&lt;210&gt; 44

&lt;211&gt; 942

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Alien to Mouse cDNA

&lt;400&gt; 44

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 gcttgccctct tgcgaacccg caatgcgaca acagactctg agtaccacac tatttcccgg 180  
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 gcctacagaa gcatgtga 138

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<220>  
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&lt;220&gt;

&lt;223&gt; Alien to Mouse cDNA

&lt;400&gt; 57

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&lt;210&gt; 58

&lt;211&gt; 225

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Alien to Mouse cDNA

&lt;400&gt; 58

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&lt;210&gt; 59

&lt;211&gt; 339

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&lt;220&gt;

&lt;223&gt; Alien to Mouse cDNA

&lt;400&gt; 59

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&lt;210&gt; 60

&lt;211&gt; 321

&lt;212&gt; DNA

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&lt;223&gt; Alien to Mouse cDNA

&lt;400&gt; 60

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&lt;210&gt; 61

&lt;211&gt; 192

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&lt;220&gt;

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&lt;400&gt; 61

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tgcgtcattt ga                                          192

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&lt;210&gt; 62

&lt;211&gt; 666

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&lt;223&gt; Alien to Mouse cDNA

&lt;400&gt; 62

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<223> Alien to Mouse cDNA

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<210> 64  
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<212> DNA  
<213> Artificial

&lt;220&gt;

&lt;223&gt; Alien to Mouse cDNA

&lt;400&gt; 64

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caagccgcca ttgcctcaat ggcacagctg ctctatgtgt caaaggccag cacattagta	180
gggtcagtga tggaggggaag cgaggactgc agttgcgagt ttcctgatat gcctggtatt	240
atgggagatg tcccttcccc aatgttcact cttggcatga tcctgccatt aaccttgttt	300
caataa	306

&lt;210&gt; 65

&lt;211&gt; 264

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Alien to Mouse cDNA

&lt;400&gt; 65

atgctgacac tttgcatgat cctccaggcc ccgacaaaga gaatgatgga tggatctgaa	60
agtggagtgt tgcagttcct gcggagtcgc tactcagggg acctgggaga tcccatggca	120
tttctcgagg atgattccag aagtaagccg acggagagaa ccggccttcc tgtggagatc	180
cacatgatgt cgtttctgga ataccatggt gaactggtca acttcttctg gcgcagaagg	240
cagcttcagg acgaaggact ttaa	264

&lt;210&gt; 66

&lt;211&gt; 360

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Alien to Mouse cDNA

&lt;400&gt; 66

atgcacaggc cactggggac taacaagggga agtgccccag tggaggggta ctctcgtcgg	60
cccaggccaa aaaaagagcc aaattccctc ggccgcatgt tctgcatccg ctcagcttcg	120
aacaccaatg agccttacac cttagatcct gaagactaca tgaaagcaga cgggagagta	180
actgtggtcc cgggaagccc agcaggcctg acatccagaa gttacttaga agcgcgccca	240
ggggaacaaa cacggggagcg gcccttaggc attttggtcc cttatatgcg agccccgaag	300
aaatactctg actacctgat gacattctgc acgcgtaagc cttccataa gtcccatga	360

&lt;210&gt; 67

&lt;211&gt; 285

&lt;212&gt; DNA



&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Alien to Mouse cDNA

&lt;400&gt; 67

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tcgcagatca atgacctctc ttgcaccacg tcaccagcca cgatgggcag gtgcataacc	120
tgggggcccc cgaggacaac ttttctgctc tttcgggaga ctgatgtcag ccacctgtgt	180
ttgatcaaac agctgagctt cttcagtcag atcctgcagt acaagcagct catgtcgaac	240
atatcggagc gcacgggacg atacatcaga agctaccatc tctaa	285

&lt;210&gt; 68

&lt;211&gt; 663

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Alien to Mouse cDNA

&lt;400&gt; 68

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acggaccggg cccacagga gcgaacgtcc tgccataatg gtgaccttat caagagtgcc	180
ggcacctccc tgctggatat gcgagatccg catgtgtcag cggagggagt gactccctcg	240
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aactgcattg gcatgggcat actgtcattg tattctccgg tccagatcga ctcccctccg	540
ccccagtgcc caacaccct gttgagcctg gtcggccggg tgacgaggga gtcacagcag	600
gttggggtgc aacgagccct aatgctgggt acgagcacc ctctgctcaa ccgccgcaag	660
ttaa	663

&lt;210&gt; 69

&lt;211&gt; 120

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Alien to Mouse cDNA

&lt;400&gt; 69

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ccagccatca tttcgccctg acagtacaga attcgaactg tgggtttcat gctcagctga	120

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<220>  
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 cgaacatctc cacatgcgat tgatccaggc tggcagagcc aggtgtgtga gcagcatgat 180  
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 aagaactga 249

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<220>  
 <223> Alien to Mouse cDNA

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 ctagacctgg ttgacctatc tgagtcttac ccaatgatag tgggagattt tgggggcacg 180  
 cccaccaaga attcaataca gaccccaggc ggatcgatct acggcctggc tcagagggag 240  
 atcagcttta aattaatgtc catgtccagc agttggaaga atgtgggaag gtatgcagcc 300  
 cccttttgct taggtctctt tccgcactac gggaacatgg aactacggga acttctgttt 360  
 tcccacatga aagcgcgcga aaccagaacc acgtcaaccg agtctctgac atccatcaga 420  
 ctcaggtcag gctgggtga 438

<210> 72  
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<220>  
 <223> Alien to Mouse cDNA

<400> 72  
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 aacttcaacc tctggggccg catccgggat ctccaggatgc ggtgtatcct gaagttcagc 180

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accgactatc tgagtgcgag ccgcacttct aaaacaagct gttctctgcg cgtgttcata	360
ttgggacacc agctaaactg ccctctgtgc actgctgctt cttttattga agggaaacta	420
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 <212> DNA  
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<220>  
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<220>  
 <223> Alien to Mouse cDNA

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<220>  
 <223> Alien to Mouse cDNA

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<210> 78  
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<220>  
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 actgtactgg tgccaaagga ttgtgctagt gtgtttaaga gttccatgaa cggctga 177

<210> 79  
 <211> 174  
 <212> DNA  
 <213> Artificial

<220>  
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<400> 79  
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Mod-0036.ST25.txt

tccagcacgc agctgggtctg ttctggccat ccctcgggac ttcccttcgc ttcaatgttc	120
attagggtctt tgtcgcccc tgcgctgcgt ggccccccaa agctcggatc atag	174

<210> 80  
 <211> 363  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Alien to Mouse cDNA

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tga	363

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 <212> DNA  
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<220>  
 <223> Alien to Mouse cDNA

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Mod-0036.ST25.txt

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agtactgaat ttcttcgggg gtag 144

<210> 85  
<211> 132  
<212> DNA  
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<220>  
<223> Alien to Mouse cDNA

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gtgatattgt ga 132

<210> 86  
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<212> DNA  
<213> Artificial

&lt;220&gt;

&lt;223&gt; Alien to Mouse cDNA

&lt;400&gt; 86

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tgccagtaca aggggtcccat ctggatcttc aggggtggacc cgagtcaga aggccagcgt	180
ctgaagttat ga	192

&lt;210&gt; 87

&lt;211&gt; 492

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Alien to Mouse cDNA

&lt;400&gt; 87

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&lt;210&gt; 88

&lt;211&gt; 222

&lt;212&gt; DNA

&lt;213&gt; Artificial

&lt;220&gt;

&lt;223&gt; Alien to Mouse cDNA

&lt;400&gt; 88

atgaatgcag aggacatgct ggggaaacac tgcgcttatg ctttttgcac agtccctatc	60
ccgaagggag ctgtgaactt gaaaaccgag tttgagagtg gctgtgcaa gtctgccaac	120
ggcaactccc gcaaagacag tgtttcaggt ccatgcccta agatgaggca gaagtgggac	180
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&lt;210&gt; 89

&lt;211&gt; 150

&lt;212&gt; DNA

&lt;213&gt; Artificial

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<220>
<223> Alien to Mouse cDNA

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cggaagtcgg gggacaccgg ttttgttgtg cagaaggagc cccaggatcg gtacacggga      120
aggaaatgtc aaccctgtact gatgacctga      150

<210> 90
<211> 297
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

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gcctacccgg gaaaagagca gtcttcccgg ggccgcaatg cgaccttttg gacagctcag      120
cctgactccc gggcggcctc ttactcccag ctctctgtcc agaagtatcg aacaacagcg      180
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<210> 91
<211> 129
<212> DNA
<213> Artificial

<220>
<223> Alien to Mouse cDNA

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gaggaatga      129

<210> 92
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 <223> Alien to Mouse cDNA

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 tgccgtcagg ccgagagctc cacttcatat ttttaccat tctcaatgac cagaagcacc 180  
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<220>  
 <223> Alien to Mouse cDNA

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 agccaccagg caatcgccac ggcgtcccgg gagctcatgc taaccttgga cccctcggcc 180  
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<210> 95  
 <211> 726  
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<220>  
 <223> Alien to Mouse cDNA

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Mod-0036.ST25.txt

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aaaaagtcaa tcatgaggcg caaccattgc tactttttatc ctttcctgga tggagcagga	480
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<220>  
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atgtcttatg acttacggtg gcttcaccgt ggggccacaa tcacagccga aatcatctta	60
tcttgtaagc tcccaaaagt gagaatggat ttctgctggg tgaagcagtc catggaggcc	120
atggtggcca tgaaggacca gaaagacgcc ttttgctg	158

<210> 97  
 <211> 318  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Alien to Mouse cDNA

<400> 97	
atgaccagaa gctgggccct ggtgccaccc cacctgttgg ttggagccga aacaaccctt	60
gtgacttcat atgggtacaa agcgaagagc aacatacgct ttgtgttctc tgaggctttt	120
gaggctcaac agaggcacga aagccgttca accaaccatg cctgggcccc gccagcaggt	180
cgaccggtcc atctcattaa ggggcaggag aaatctaggg aaaatttaga tccgagctgt	240
cccaaaccaa agggagcggg ccggagtctc acaaaggatg gaacaatgaa gcaacgatac	300
gacttctacc tgccgtaa	318

<210> 98  
 <211> 732  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Alien to Mouse cDNA

Mod-0036.ST25.txt

<400> 98  
atgaagtatg tttcccagga agcccacctg gtctatgttt atatgtatgc ggatcactac 60  
ctcagcagtg tgctgtcttc ccaagatggg cgcccctcaa acttcatcac gcgcctgaca 120  
aatgcgagtg acaagtggac taacaagacg aagtccatga aggacagcta tcagggtttg 180  
tgggagttgc ctgggatcct ggagctgaga gcacctgaca tggagctgga acttctgacg 240  
aatgggaaag ccctgatggc gatccgcatg atcaacatga agaattcccc gcaggatgcc 300  
aaagaggcct cgtctgcat catggccaaa gttcccagtt tagttgtgcc atgctccggc 360  
tactttgcct ggcggcagaa gggcttggag cgcaactttg atctgaaagg ccaaagtgtc 420  
aaatacagaa aaaatacagg tcctggcctg tctccacctc aggtgaggac ctcctatcag 480  
gaaaacctgg ggacaccctt tctgccacca attcagatga tgagctacct agtgatttcg 540  
gacctcccc ggaggtctaa acgtgattgc aggcggggccc gtggagtctt tgccccacgc 600  
gagggactag ccaaagaaca gggcaaaagc aagctccgcg cagcttacat tcacaacaag 660  
ggtttcgagg gcctgactcg tgaacaagtc caggggtatg ctgagagctg tgacgttctg 720  
ccacagcagt ag 732

<210> 99  
<211> 132  
<212> DNA  
<213> Artificial

<220>  
<223> Alien to Mouse cDNA

<400> 99  
atgggcacaa agcccttctc actcaaggga aagagctaca agcagcctaa cctgaaaatg 60  
caccctctcg tgcttccctt aaacagattc ttgtgtcagg gtgctgcagt tgcagagcgg 120  
aaaatgcggt aa 132

<210> 100  
<211> 441  
<212> DNA  
<213> Artificial

<220>  
<223> Alien to Mouse cDNA

<400> 100  
atgaatgggc tcctgcacac gacatataag gagaagacgt cgtatccgcg tgagggtgttt 60  
gggcatagtg cagaaatttc ccgcctgtgt cctctgcctt ccagttccat ggcaaccccc 120  
ccaaatgacg tgaatatggg gatccccctc aaaagacgtg cgctgacgaa cacctatggg 180  
tctgcttcga ttcgctcagat gacgccgatt tacaacccta ccgtctctgc ctgggtttac 240  
tcgagccaag aggcaactca gtgtcgttac ctgggcttcc ggcgaggagaat tgaaatgccc 300

ttttgtttta gtggtgcggc caacagatcc tacaactttt ctgctaagga acgcttgggt 360  
 cacgcacctg cctgtatccg atggcacaga tatttatgga tgaacttgga catgaaaatg 420  
 ttgactgccc ttcgcatctg a 441

<210> 101  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.

<400> 101  
 aaccaatccc atcccagggtg tgcggcgaat cggtcgatct agtcctaatt agccggatag 60  
 gaaaacctca 70

<210> 102  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.

<400> 102  
 aagaaccac gccgtctaca tatcgggcac gtgctataac gactcaggag tatttaacga 60  
 ccgcacggaa 70

<210> 103  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.

<400> 103  
 acagggtgtcc tcaaaccagc ctgaaacggt actagggtgaa gaatcaccgc ggttgctcgg 60  
 agttaagcga 70

<210> 104  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.

<400> 104

acccgcgtac acagtaggca ctctacggcg cgtttagcgt taatcaccaa ttttgcaata 60  
gtcaccagag 70

<210> 105  
<211> 70  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotides identified according to the present invention as  
alien to mouse cDNA and useful for hybridization applications.

<400> 105  
acggactacc tcggccactt catttggcga cctgcggata ttgcttacga atctcgatct 60  
tccggattat 70

<210> 106  
<211> 70  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotides identified according to the present invention as  
alien to mouse cDNA and useful for hybridization applications.

<400> 106  
agaagtcgtg tgatcgaggt agcactggga ttacgaaaa ttgccctacc ggtatacgct 60  
aggccatacc 70

<210> 107  
<211> 70  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotides identified according to the present invention as  
alien to mouse cDNA and useful for hybridization applications.

<400> 107  
agccacata tagccacgc ggggtgctgac aacatatgtc gtatgcgagt aacgttttcg 60  
tttgagatgg 70

<210> 108  
<211> 70  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotides identified according to the present invention as  
alien to mouse cDNA and useful for hybridization applications.

<400> 108  
atactacttt tgggtatgct agctacgtag tacccttcaa tagccgtcgc ttggtctctt 60  
gcgcgtcacg 70

<210> 109  
 <211> 70  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.  
  
 <400> 109  
 catctatcta tgtaagttac cggcatgggt tatggattcg tggaccgcga tgtgacgtag 60  
 gggtttccac 70  
  
 <210> 110  
 <211> 70  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.  
  
 <400> 110  
 cattttaccg ttaccgggaa gcgtgtgtgt ctttatttgc gcgtacccag tgttgagaac 60  
 gacggaacag 70  
  
 <210> 111  
 <211> 70  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.  
  
 <400> 111  
 ccatccgggc cataagttta tagtagcgat tgttttgccc ctaccagcga atcgcgccc 60  
 gttagtaatc 70  
  
 <210> 112  
 <211> 70  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.  
  
 <400> 112  
 cccgagcttg cgctagtacg attatgtacc gctatgtcaa tttgacgccc tcgcactgcg 60  
 gcactttatt 70  
  
 <210> 113

<211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.

<400> 113  
 ccggctcggg gtcaccgagg aagtaaccttt gagtatcgca cttatcggct ttaacctgga 60  
 cgtaactaaa 70

<210> 114  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.

<400> 114  
 ccttgatgg gtaaattccc tcgtctacgc gtaacaactg aacgcgtagc gcgacggctt 60  
 caggaaatta 70

<210> 115  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.

<400> 115  
 cctttccgtg ttactcggcc ggcaaggacg cctcgtacca tctttgatag atgtatttgc 60  
 gtaaattcgg 70

<210> 116  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.

<400> 116  
 cgcgaccccg actggtagtt gcgcgctcgc attaccgagt tcacatcgca tgtactacat 60  
 tagagaaata 70

<210> 117  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.

<400> 117  
 cggccacaac tctcaggacg catataagac gcggaaaggc atacacgtct acttagagac 60  
 accgagactt 70

<210> 118  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.

<400> 118  
 ctgcttaacc gttccagagg ggcgttcgta tcaaaaaggg tgcgatttcg atcacgtcgc 60  
 agtgactcat 70

<210> 119  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.

<400> 119  
 gaatggcatc aacggcgctg tacatagtct tctcgcttac ataatagcgc tagttgatag 60  
 gaaccagggg 70

<210> 120  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.

<400> 120  
 gagctgcaca cccgcagaca tcatagttag tgtaatcacg cacgtgacca gttaacccat 60  
 ttcgtggaga 70

<210> 121  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> oligonucleotides identified according to the present invention as  
 Page 40



alien to mouse cDNA and useful for hybridization applications.

<400> 121  
 gatggattca cgaacgagca cttagtaacg cctggtactg acatcttatt gcacgtagtg 60  
 gagagcctgg 70

<210> 122  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.

<400> 122  
 gcaacgacca gctacctgtt aaccgtatat cagagtcgaa tgctcgcggt actgttcgaa 60  
 gtactcatcg 70

<210> 123  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.

<400> 123  
 gcagaattcc taaccatgca agcgtggcga ctcgtctctc gcaaagttct atacgaatca 60  
 gcgatgggta 70

<210> 124  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.

<400> 124  
 gccctctcgt cccacgttcg ctcgtcttgt tgacactact gacgggtatc cctctaaata 60  
 cttctctttt 70

<210> 125  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> Oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.

<400> 125

gcctcttcga tgggggtccgt ctggtcagta ccgacgaaaa tgcgacggta gatgtcagaa 60  
 ttgattctgt 70

<210> 126  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.

<400> 126  
 gcgggctctt gtgcaaactt atggggctag tgactcgggt gtagcacgtt ttgcgaagac 60  
 taagacagta 70

<210> 127  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.

<400> 127  
 gcgtctatga caggtcgggc acttaggcgg cgacgcttga tgtttgagtc gcagatatta 60  
 gtttataagg 70

<210> 128  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.

<400> 128  
 gctatctaac gcggtcttgc caatactacg aatgggtgct acaggatatc gagtaccgca 60  
 aaatgggggc 70

<210> 129  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.

<400> 129  
 gggggcaact ctccaaccga gcgtgaatcc agcgattatt atcctactcc atactattag 60  
 cgggtatacg 70

<210> 130  
 <211> 70  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.  
  
 <400> 130  
 ggtacgaatc tcccattgca tggacaaata tagtccacgc attggacgca cccaccgatg 60  
 gctctccaat 70  
  
 <210> 131  
 <211> 70  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.  
  
 <400> 131  
 ggtcgtaccc aacctgacac gagatgtcgg cgctcgtttc gattggacga tcggatatat 60  
 gatcaagcaa 70  
  
 <210> 132  
 <211> 70  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.  
  
 <400> 132  
 ggttgtcca tgtactcgat actacctagg catcaggtgt atacgccggt ttggatgggc 60  
 gttcggcaaa 70  
  
 <210> 133  
 <211> 70  
 <212> DNA  
 <213> Artificial  
  
 <220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.  
  
 <400> 133  
 gtgccacccc aattagtctt ttgtccgggc caagagtacg acaacggggt attttggtac 60  
 tatatcccac 70  
  
 <210> 134

<211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.

<400> 134  
 gttaaggggtc tcgaaagatt tctactctcg acgtaccggtt ggcagcgcac taagaacggg 60  
 taatgtgctg 70

<210> 135  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.

<400> 135  
 gttaggcact tgcgcgtcaa gcgcgcaaac cctaattacg ttctgtccac gcgctaggga 60  
 tattcgtata 70

<210> 136  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.

<400> 136  
 taagatgcct gacgaaaaag tcccgtgtac ccacaacgga aagcgtgatc tagatagttc 60  
 ccttagcgcc 70

<210> 137  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> oligonucleotides identified according to the present invention as  
 alien to mouse cDNA and useful for hybridization applications.

<400> 137  
 taattttggg ttgtcgaggc ataaactggt atgctcgtct cgctcgacga gcggttgaac 60  
 gcctatcgct 70

<210> 138  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
<223> oligonucleotides identified according to the present invention as  
alien to mouse cDNA and useful for hybridization applications.

<400> 138  
tattggccgc ggcgctaact tatatcgaga gatgtctagt ttccccaccc gttacatatt 60  
ctacggggag 70

<210> 139  
<211> 70  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotides identified according to the present invention as  
alien to mouse cDNA and useful for hybridization applications.

<400> 139  
tattttccgg tactgagtgg aacgacatga agttggcggc caggctcgta tttcgcagcc 60  
acgcaccact 70

<210> 140  
<211> 70  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotides identified according to the present invention as  
alien to mouse cDNA and useful for hybridization applications.

<400> 140  
tcagatgtcg ttattaacgg gaaggatatcc ggttcactat cacggcgatt acttcgcgtt 60  
gcgaaagggc 70

<210> 141  
<211> 70  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotides identified according to the present invention as  
alien to mouse cDNA and useful for hybridization applications.

<400> 141  
tccggctccg cagacggttt aactcgaacc ttaaaagtcg tgtgaagcta cttcgagacc 60  
atgcgctctt 70

<210> 142  
<211> 70  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotides identified according to the present invention as

alien to mouse cDNA and useful for hybridization applications.

<400> 142  
tctgttaccc acattgtcac cacttgacag gcgcacggtc gtttgtaaag cgactagcta 60  
cgcaggtata 70

<210> 143  
<211> 70  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotides identified according to the present invention as  
alien to mouse cDNA and useful for hybridization applications.

<400> 143  
tggagatgcg aacggtggga gtatcaatcc ccggtgcaac cccctaattcc gacatgccgc 60  
aagtatatat 70

<210> 144  
<211> 70  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotides identified according to the present invention as  
alien to mouse cDNA and useful for hybridization applications.

<400> 144  
tgggcgccta gagccagcat attacaggcg agctgttttc gcgtctctaa tgacgtgtac 60  
gcgattctat 70

<210> 145  
<211> 70  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotides identified according to the present invention as  
alien to mouse cDNA and useful for hybridization applications.

<400> 145  
tgtagacagg gcgcgattgt atgggacagt ttacgcacta accgactcta caatgtagtg 60  
tttgtcgggc 70

<210> 146  
<211> 70  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotides identified according to the present invention as  
alien to mouse cDNA and useful for hybridization applications.

<400> 146

Mod-0036.ST25.txt

ttccgcatga gatcaacgcg tggtaatac gtgttaagaa ccggtcgacg ccagctagac	60
ctaatacgctt	70
<210> 147	
<211> 70	
<212> DNA	
<213> Artificial	
<220>	
<223> oligonucleotides identified according to the present invention as alien to mouse cDNA and useful for hybridization applications.	
<400> 147	
tttcgactgg gggatcaaaag ctccctatct gccgttcacg aagctacata ctggtctagc	60
gcgtgcacaa	70
<210> 148	
<211> 318	
<212> DNA	
<213> Artificial	
<220>	
<223> alien oligonucleotides	
<400> 148	
ttctaatacgc actcactata gggccatccg ggccatacgt ttatagtagc gattgtttgc	60
ccctaccagc aatcgcgccc agttagtaat ctaattttgg gttgtcgagg cataaactgg	120
tatgctcgtc tcgctcgacg agcggttgac gcctatcgct gtgccacccc aatttgtctt	180
ttgtccgggc caagagtacg acaacggggg attttggtac tatatccac gcgggctctt	240
gtgcaaatta tggggctggg tactcgggtg tagcacgttt tgcaagact acgacagtaa	300
aaaaaaaaa aaaaaaaaaa	318
<210> 149	
<211> 321	
<212> DNA	
<213> Artificial	
<220>	
<223> alien oligonucleotides	
<400> 149	
ttctaatacgc actcactata gggcatctat ctatgtcagt taccggcatg gggtatggat	60
tcgtggaccg cgatgtgacg ttggggtttc cactcagatg tcgttattat cgggaaggta	120
tccgggttcac tatcacggcg attacttcgc gttgcgaagg gctaattttg gggtgtcgag	180
gcataaactg gtatgctcgt ctgctcgac gagcgggttc acgcctatcg cttccgcatg	240
cgatcaacgc gtgggtcaata cgtgtttaga accggtcgac gccagcttga cctactgcgt	300
taaaaaaaaaa aaaaaaaaaa a	321

<210> 150  
 <211> 323  
 <212> DNA  
 <213> Artificial

<220>  
 <223> alien oligonucleotides

<400> 150  
 ttctaatacg actcactata gggccctctc gtcccacgtt cgctcgtctt gttgacacta 60  
 ctgacgggta tccctctaaa tacttctctt ttgttaagggt tctcgaaaga tttctactct 120  
 cgacgtacgt tggcagcgca ctaagaacgg gtaatgtgct gtattttccg gtactgagtg 180  
 gaacgacatg aagttggcgg tcagggtcgtt atttcgcagc cacgcaccac tcggccacaa 240  
 ctctcaggac gcatatataa gacgcggaaa ggcatacacg tctacttaga gacaccgaga 300  
 cttaaaaaaa aaaaaaaaaa aaa 323

<210> 151  
 <211> 47  
 <212> DNA  
 <213> Artificial

<220>  
 <223> forward primer

<400> 151  
 ttctaatacg actcactata gggcatctat ctatgtcagt taccggc 47

<210> 152  
 <211> 48  
 <212> DNA  
 <213> Artificial

<220>  
 <223> reverse primer

<400> 152  
 tttttttttt tttttttttt ttttctaata actgagggtga tttccgac 48

<210> 153  
 <211> 70  
 <212> DNA  
 <213> Artificial

<220>  
 <223> alien oligonucleotide

<400> 153  
 ggtacgaatc tcccattgca tggacaaata tagtccacgc attggacgca cccaccgatg 60  
 gctctccaat 70